



NITFS Compliance Registration



Product: National System for Geospatial Intelligence (NSGI)
Image Quality Simulator (NIQS), Version 2.1.5
Sponsor: Lockheed Martin Corporation

Date: 21 October 2005
Expiration: 20 October 2007
Registration #: 135

Developer: Lockheed Martin Corporation

☐ Initial Registration
☒ Supplemental/Update # 13
☐ Derived from Reg. #

System
N-0105/98, §4.1.1

NITFS Features Implemented:

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

Product
N-0105/98, §4.1.2

Component
N-0105/98, §4.1.3

Format

NITF

☐ v2.1

☒ v2.0

☐ v1.1

NSIF

☐ v1.0

Image Segment Types

☒ MONO

☐ RGB

☐ RGB/LUT

☐ YCbCr

☐ MULTI

☐ NODISPLY

☐ POLAR

Data Extension Segments

☐ PRE OVERFLOW

☐ STREAMING_FILE_HEADER

☐ Controlled Extensions **

☐ Registered Extensions **

Tagged Record

Extensions

☒ IOMAPA

☒ NBLOCA

NSDE

Pixel Value Types

☐ Boolean

☒ Integer

☐ Signed Integer *

☐ IEEE Real *

☐ IEEE Complex *

Image Compression

☒ Not Compressed

☐ JPEG Lossy, 8-bit

☒ JPEG Lossy, 12-bit

☐ JPEG Downsample

☒ JPEG Lossless

☐ JPEG 2000

☐ Bi-Level

☐ Vector Quantization

☐ Multispectral JPEG,
Individual Band

Annotation Segment Types

☐ B0 Mapped **

☐ CGM, 2301

☐ CGM, 2301A

☐ Labels **

Text Segments

☐ STA

☐ WT1

☐ W8S

☐ MTF

Configurations Tested:

- Sun V440 Server 4 Processors, Solaris 9

Interpret
Generate

Legend

☒ Fully implemented

☒ Partially implemented

☐ Not implemented

EDWARD E. BOYLES II, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-
Intelligence Agency for the NITFS Test and
Evaluation Program

Registration does not guarantee that a product will meet all users' requirements.
Potential users should evaluate the detailed test results to determine the suitability of
the product for the intended use. Optional NITFS features may not be implemented.